IN THE CLAIMS

Please amend claims 1 and 7-10, and add claims 19-21 as follows:

1. (Currently amended) A network ~~with~~ comprising:

several network clusters of at least one wireless network node each, said wireless network node ~~being designed~~ including a transmitter for the wireless transmission of packets in time slots of given length in a time multiplex process, the variable length of said packets having at least a value which is smaller than the length of a fixedly given time slot,

wherein a transmitting wireless network node of said wireless network nodes is configured for combining several packets into a superpacket and for transmitting the superpacket to all wireless network nodes authorized for the data transmission via a point-to-multipoint link, and

wherein a receiving wireless network node of said wireless network nodes after reception of the superpacket is designed to

derive a packet from the superpacket if the destination of the packet lies in the relevant associated network cluster;

said transmitting wireless network node being configured for segmenting the superpacket into cells when the length of the superpacket exceeds the length of the fixedly given time slots, and for inserting the cells into several time slots, and

said receiving wireless network node which receives the cells being configured for forming the superpacket from the cells.

Claim 2 (Canceled)

3. (Previously Presented) A network as claimed in claim 1, wherein said transmitting wireless network node is designed for inserting the cells into several time slots of a frame or into one or several time slots of several frames.

4. (Previously Presented) A network as claimed in claim 1, wherein one of the wireless network nodes from among the wireless network nodes which form a wireless network is constructed so as to form a central node which is designed to control the radio traffic.

5. (Previously Presented) A network as claimed in claim 1, wherein said receiving wireless network node which receives a packet is designed for comparing the address identification in the control field of the packet with an address which belongs to the associated network cluster and which identifies the destination.

6. (Previously Presented) A network as claimed in claim 5, wherein said receiving wireless network node contains a table for the storage of all addresses of the associated network cluster.

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7. (Currently amended) A network as claimed in claim 1, ~~wherein the network comprises~~ further comprising a management system which controls at least one of said wireless network nodes such that said at least one wireless network node provides the establishment of point-to-point connections only instead of point-to-multipoint connections.

8. (Currently amended) A network as claimed in claim 7, wherein said transmitting wireless network node is designed for sending a key via a point-to-multipoint connection and for sending coded data via a point-to-point connection.

9. (Currently amended) A wireless network node in a network cluster of a network, said wireless network node ~~being~~ including a transmitter designed for the wireless transmission of packets in time slots of given length in a time multiplex process, the variable length of said packets having at least a value which is smaller than the length of a fixedly given time slot,

wherein the wireless network node is designed for combining several packets into a superpacket and for transmitting said superpacket via a point-to-multipoint connection to all wireless network nodes authorized for the data transmission; and

said wireless network node being further configured for segmenting said superpacket into cells when the length of the superpacket exceeds the length of the fixedly given time slot, and for inserting the cells into several time slots so that a receiving wireless network node which receives the cells forms said superpacket from the cells.

10. (Currently amended) A wireless network node in a network cluster of a network, said wireless network node ~~being~~ including a receiver designed for the wireless reception of packets in time

slots of given length in a time multiplex process, the variable length of said packets having at least a value which is smaller than the length of a fixedly given time slot,

wherein the wireless network node is designed so as to derive a packet from a superpacket after reception of said superpacket if the designation of one of said packets lies within the relevant associated network cluster;

said wireless network node being further configured to form said superpacket from cells received from a transmitting node which segments said superpacket into said cells when the length of the superpacket exceeds the length of the fixedly given time slot and inserts said cells into several time slots.

11. (Previously Presented) A network as claimed in claim 5, wherein said receiving wireless network node derives a relevant packet of said packets from said superpacket, said relevant packet having said address designation belonging to the associated network cluster.

12. (Previously Presented) A network comprising:

a plurality of network clusters each including a wireless network node,

wherein a transmitting wireless network node of said wireless network nodes is configured to combine several packets into a superpacket and transmit the superpacket to receiving wireless network nodes of said wireless network nodes; and

wherein a receiving wireless network node of said wireless network nodes after reception of a superpacket is configured to derive a packet from the superpacket if a destination of the packet lies in an associated network cluster of said plurality of network clusters;

said transmitting wireless network node being configured to segment the superpacket into cells when a length of the superpacket exceeds a length of a fixedly given time slots, and to insert the cells into several time slots; and

said receiving wireless network nodes which receive said cells being configured to form said superpacket from said cells.

13. (Previously Presented) A network as claimed in claim 12, wherein said transmitting wireless network node is designed for

inserting the cells into several time slots of a frame or into one or several time slots of several frames.

14. (Previously Presented) A network as claimed in claim 12, wherein one of the wireless network nodes is configured to act as a central node which is designed to control radio traffic.

15. (Previously Presented) A network as claimed in claim 12, wherein said receiving wireless network node which receives a packet is configured to compare an address identification in a control field of the packet with an address which belongs to an associated network cluster.

16. (Previously Presented) A network as claimed in claim 15, wherein said receiving wireless network node contains a table for storage of all addresses of the associated network cluster.

17. (Previously Presented) A network as claimed in claim 12, wherein the network comprises a management system which controls at least one of said wireless network nodes such that said at least

one wireless network node provides establishment of point-to-point connections or point-to-multipoint connections.

18. (Previously Presented) A network as claimed in claim 17, wherein said at least one transmitting wireless network node is configured to send a key via a point-to-multipoint connection and to send coded data via a point-to-point connection.

19. (New) A network as claimed in claim 1, wherein said transmitting wireless network node is designed for inserting the cells into several time slots of several frames.

20. (New) A network as claimed in claim 10, wherein said wireless network node is designed for inserting the cells into several time slots of several frames.

21. (New) A network as claimed in claim 12, wherein said transmitting wireless network node is designed for inserting the cells into several time slots of several frames.